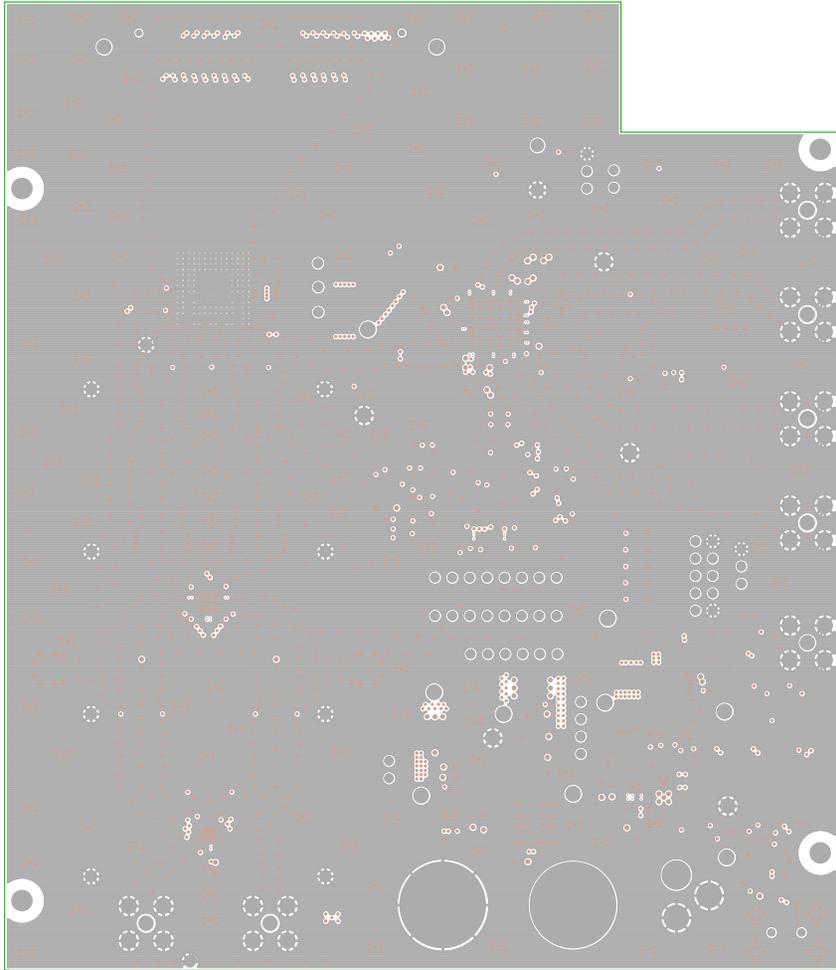
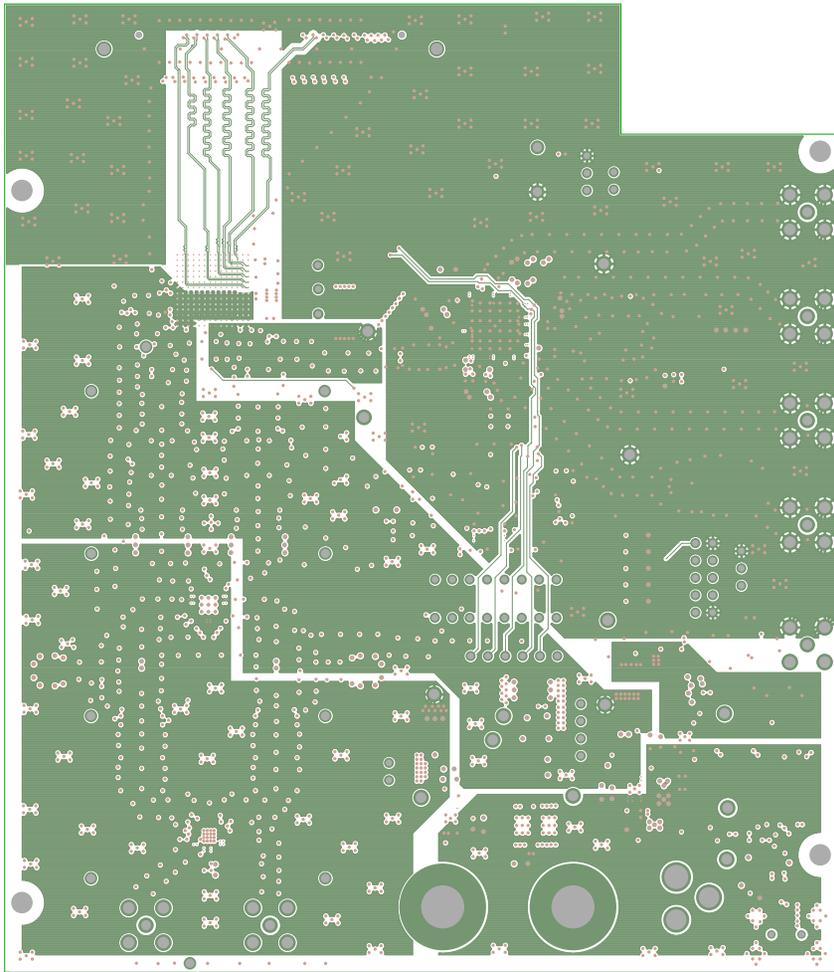


TEXAS INSTRUMENTS  
 TSW1266EVM  
 REV A  
 SOLDER MASK TOP 1



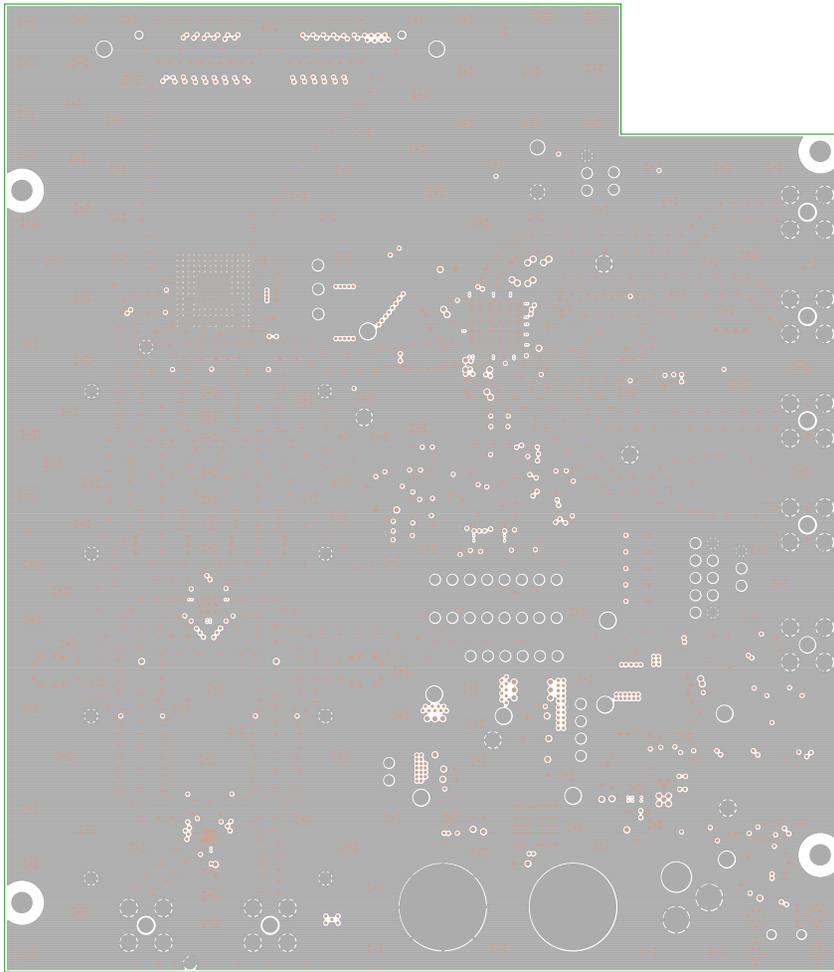
TEXAS INSTRUMENTS  
TSW1266EVM  
REV A  
LAYER 2 - GROUND



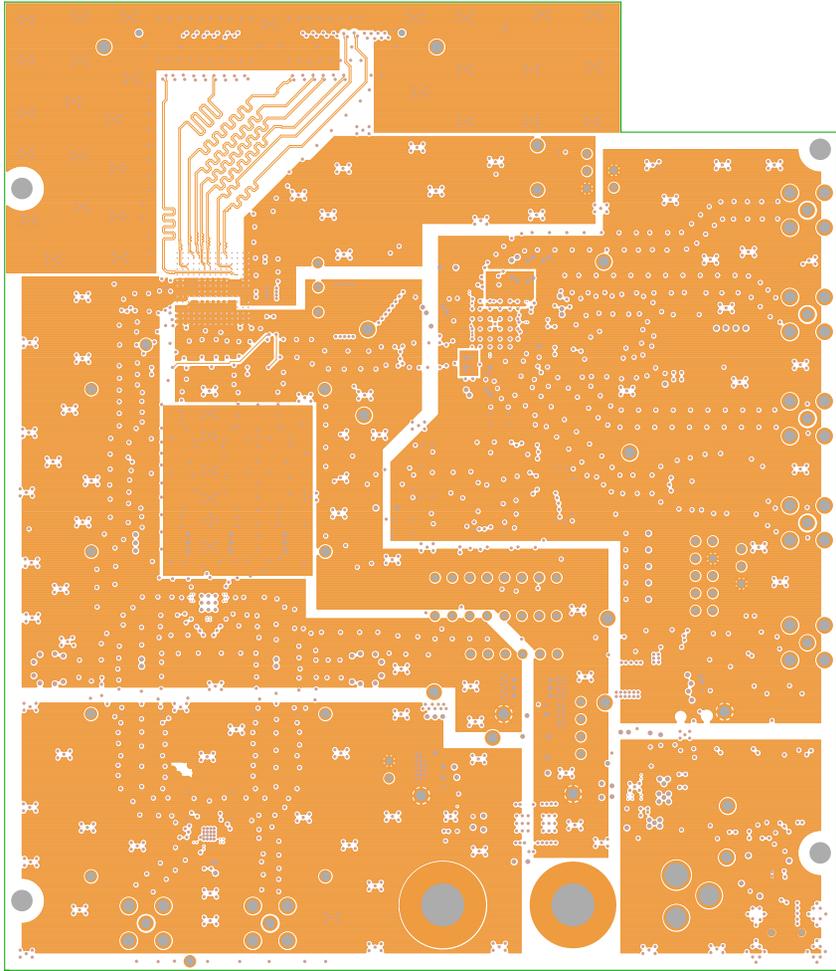
TEXAS INSTRUMENTS  
TSW1266EVM  
REV A  
LAYER 3 - POWER



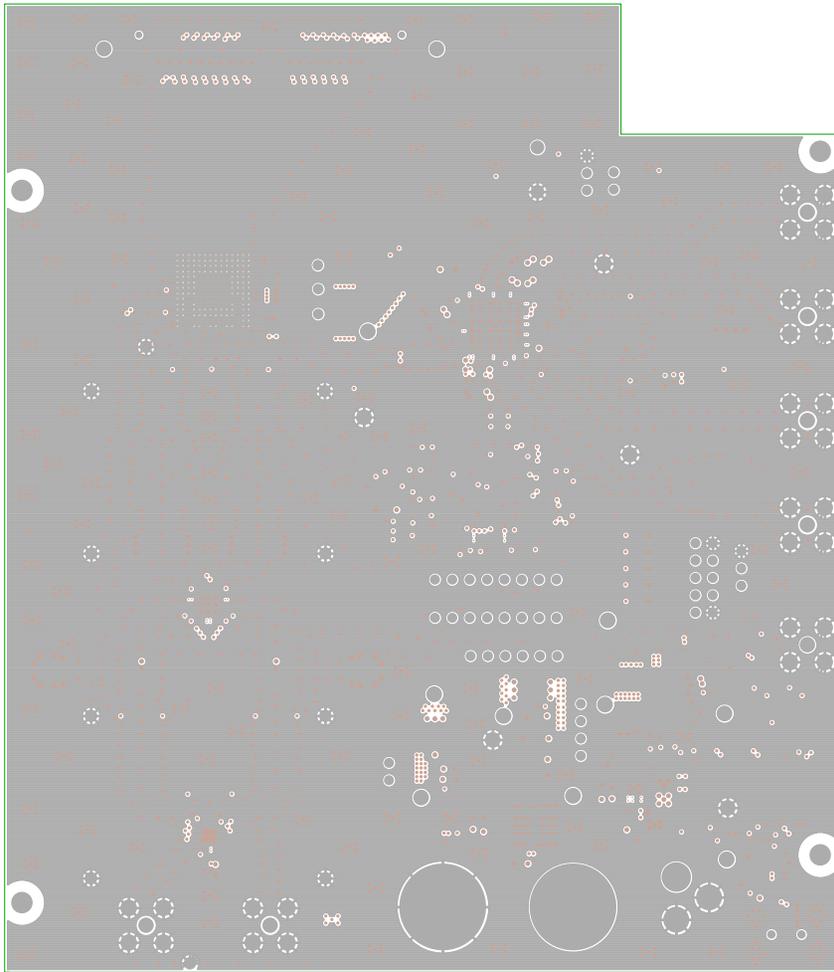
TEXAS INSTRUMENTS  
TSW1266EVM  
REV A  
LAYER 4 - GROUND



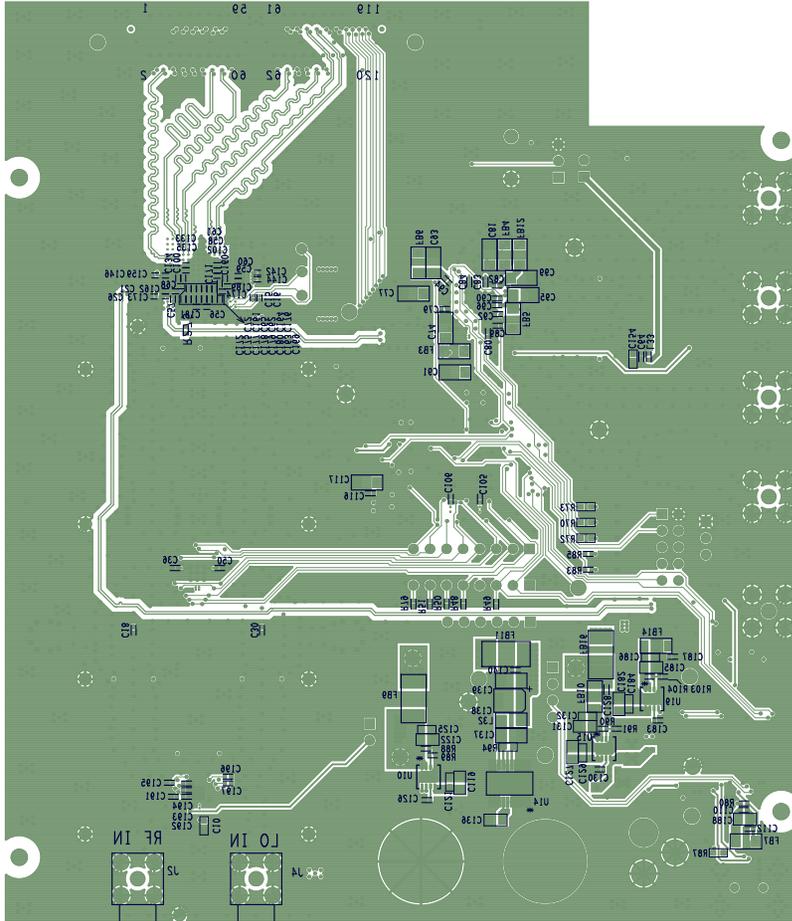
TEXAS INSTRUMENTS  
TSW1266EVM  
REV A  
LAYER 5 - GROUND



TEXAS INSTRUMENTS  
TSW1266EVM  
REV A  
LAYER 6-POWER



TEXAS INSTRUMENTS  
TSW1266EVM  
REV A  
LAYER 7- GROUND



TEXAS INSTRUMENTS  
TSW1266EVM  
REV A  
SOLDER MASK BOTTOM LAYER 8

8

7

6

5

4

3

2

1

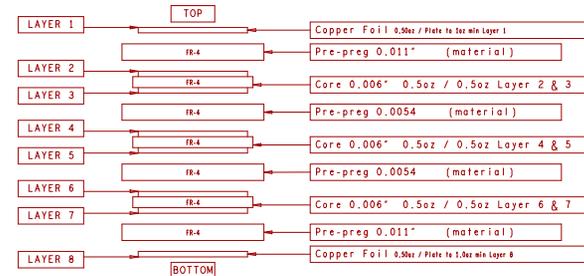
UNLESS OTHERWISE SPECIFIED, ALL NOTES ARE APPLICABLE. NOTES PRECEDED BY AN UNMARKED '□' ARE NOT APPLICABLE.

ZONE		LTR		REVISIONS		DATE	APPROVED
				DESCRIPTION			

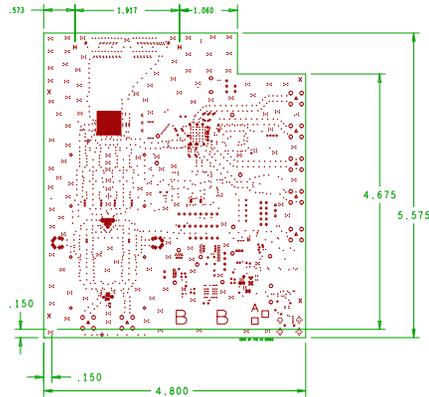
- APPLICATION DESIGN MANUFACTURING AND INSPECTION DOCUMENTS. IPC-2221A & IPC-2222 / DESIGN STANDARD FOR RIGID PRINTED CIRCUIT BOARDS AND RIGID PRINTED BOARD ASSEMBLIES. IPC-6012B / QUALIFICATION AND PERFORMANCE SPECIFICATION FOR RIGID PRINTED BOARD. IPC-A-6006 / ACCEPTABILITY OF PRINTED BOARDS.
- HOLE SIZE APPLY AFTER PLATING. TOLERANCE TO BE +/- .003.
- REGISTRATION TOLERANCE: ARTWORK +/- .002 ALL HOLE CENTERS +/- .005 FROM DIMENSION DATUM.
- MINIMUM COPPER WALL THICKNESS SHALL BE .001 INCH. FOR ALL PLATED THROUGH HOLES. BREAKOUT NOT ALLOWED.
- PROCESS AND MATERIAL MUST CONFORM TO UL 796. MATERIAL MUST MEET OR EXCEED UL FLAMMABILITY RATING 94V-0. MATERIAL: □ SINGLE SIDED, □ DOUBLE SIDED, ☑ MULTI-LAYER 370HR (SEE DETAIL 'A') SEE LAYER STACKUP FOR ALL PRE-PREG & CORE THICKNESSES, COPPER OZ AND MATERIAL. FINISHED BOARD THICKNESS: 0.062 +/- 10%
- MANUFACTURE'S UL MARKING, FLAMMABILITY RATING, LOGO AND DATE CODE TO BE PLACED IN SILKSCREEN ON BOTTOM SIDE OF THE BOARD.
- SOLDERMASK BOTH SIDES USING TAIYO (OR EQUIVALENT). COLOR=RED (0.001 TO 0.002" THICK OVER METAL).
- SILKSCREEN □ TOP SIDE, ☑ BOTH SIDES. USING □ YELLOW, ☑ WHITE NPI LEADFREE. REGISTRATION TOLERANCE TO BE +/- .005. INK IS NOT ALLOWED ON EXPOSED PLATED AREA.
- P.C. BOARD TO BE FREE OF DIRT, OIL, FINGER PRINTS, ETC.
- BOARD WARPAGE: WARP AND TWIST SHALL NOT EXCEED .007 INCH PER INCH. MEASURED AT ANY LOCATION OR DIRECTION ON THE BOARD.
- BOARD MUST BE 100% ELECTRICALLY TESTED TO ENSURE NO SHORTS OR OPEN CIRCUITS AT 20V.
- ALL INNER LAYER UNCONNECTED PADS SHALL BE REMOVED.

- ALL OUTER LAYER USING A 19.5mil TRACE WIDTH SHALL BE 50ohms SINGLE ENDED, +/- 10% TOLERANCE. □ BOTTOM LAYER USING A XX.Xmil TRACE WIDTH SHALL BE 50ohms SINGLE ENDED, +/- 10% TOLERANCE.
- ALL OUTER LAYERS USING A 8.5mil TRACE WIDTH AND 6.5mil SPACING SHALL BE 100 ohms DIFFERENTIAL, +/- 10% TOLERANCE. ☑ ALL INNER LAYERS USING A 4.0mil TRACE WIDTH AND 6.5 mil SPACING SHALL BE 100 ohms DIFFERENTIAL, +/- 5% TOLERANCE.
- MINIMUM COPPER TRACE WIDTH IS: 3.75MIL. MINIMUM COPPER SPACING IS: 4.5MIL.
- SMOBC/IMMERSION GOLD: 3-8 uIN OVER 100-200 uIN NICKEL PLATING.
- ALL THRU HOLE VIAS TO BE PLATED AND FILLED WITH NON-CONDUCTIVE EPOXY. FILLED VIAS SHALL BE PLATED AFTER FILLING AND COPLANAR.
- GROUND ETCH ON ALL LAYERS TO BOARD EDGE IS INTENTIONAL. DO NOT PULL BACK.
- NO CHANGES TO ANY ARTWORK ARE PERMITTED WITHOUT WRITTEN AUTHORIZATION.

DETAIL 'A'



DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
-	6.0	PLATED	263
-	8.0	PLATED	7
-	10.0	PLATED	1849
-	10.0	PLATED	33
*	13.0	PLATED	9
*	15.0	PLATED	16
*	20.0	PLATED	116
*	38.0	PLATED	3
*	38.0	PLATED	46
*	53.0	PLATED	10
o	55.0	PLATED	2
*	59.0	PLATED	7
o	62.0	PLATED	14
o	67.0	PLATED	28
*	68.0	PLATED	2
□	120.0	PLATED	2
A	140.0	PLATED	1
B	250.0	PLATED	2
*	35.0	NON-PLATED	2
*	40.0	NON-PLATED	2
x	125.0	NON-PLATED	4



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES +/- .XX +/- .01 +/- .XXX +/- .005 +/-	CONTRACT NO.		TEXAS INSTRUMENTS INC.	
	APPROVALS	DATE	FABRICATION DRAWING	
	DRAWN L. WRIGHT	05-14-12	TSW1266	
MATERIAL	ENGR R. PRENTICE	11-21-11		
SEE NOTE 5			SIZE	CODE IDENT NO. DRAWING NO.
FINISH	SEE NOTES 7, 8, 9		B	
DO NOT SCALE DRAWING			SCALE NONE	SHEET 1 OF 1

8

7

6

5

4

3

2

1